

FO9020" 52500650

Figure 1(a)

	1	90
J96	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC45	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCAATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B217	(1)	TTGGCCTGTAAACCGCCAAATGGTACAGCTATCCCTATTGGCGGTGGCAGCGCTAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
DS17	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCAATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B212	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC42	(1)	TTGGCCTGTAAACCGCCAAATGGCACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC56	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B210	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B203	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCAATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC58	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCAATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC60	(1)	TTGGCCTGTAAACCGCCAAATGGCACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC61	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC80	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC95	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCAATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC62	(1)	ATCGCCTGTAAACCGCCAAATGGCACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B238	(1)	TTGGCCTGTAAACCGCCAAATGGCACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B240	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
B242	(1)	TTGGCCTGTAAACCGCCAAATGGCACCGCTATCCCTATTGGCGGTGGCAGCGCCAAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG
EC189	(1)	TTGGCCTGTAAACCGCCAAATGGTACCGCTATCCCTATTGGCGGTGGCAGCGCTAATGTTTATGTAAACCTTTGGCCCGTCGTGAATGTG



Figure 1(b)

	91	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	180
J96	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC45	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B217	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
DS17	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B212	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC42	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC56	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B210	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B203	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC58	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC60	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC61	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC80	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC95	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC62	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B238	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B240	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
B242	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	
EC189	(91)	GGGCAAAAACCTGGTCGTGGATCTTTTCGACGCAAAATCTTTTGCCATAACGATTATCCGGAAACCATTTACAGACTATGTCACTGCAACCGA	

APPROVED	BY	
CLASS	SUBCLASS	
DRAFTSMAN		

Figure 1(c)

270

181

J96 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC45 (181) GGTCGGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B217 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

DS17 (181) GGTTCCGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B212 (181) GGTTCCGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC42 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC56 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B210 (181) GGTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B203 (181) GGTCGGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC58 (181) GGTTCCGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC60 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC61 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC80 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC95 (181) GGTTCCGCTTATGGCGGCGTGTATCTAGTTTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC62 (181) GGTTCCGCTTATGGCGGCGTGTATCTCAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B238 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B240 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

B242 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

EC189 (181) GGCTCGGCTTATGGCGGCGTGTATCTAAATTTTCCGGGACCGTAAATATAGTGGCAGTAGCTATCCATTTTCTTACCAACGCGAAACG

APPROVED	BY	DATE	SUBCLASS

Figure 1(d)

271 361

J96 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC45 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B217 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
DS17 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B212 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC42 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC56 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B210 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B203 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC58 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC60 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC61 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC80 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC95 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC62 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B238 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B240 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
B242 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT
EC189 (271) CCGCGGTTGTTTATAATTCGAGAACCGATAAGCCGTGGCCGGTGGCGCTTTATTTTGACGCCCTGTGAGCAGTGCAGGCGGGCGGGGTGGCGATT

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APPROVED	BY	CLASS	SUBCLASS

Figure 1(e)

361 450

J96 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC45 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B217 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

DS17 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B212 (361) AAAGCAGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC42 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC56 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B210 (361) AAAGCAGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B203 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC58 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC60 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC61 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC80 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC95 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC62 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B238 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B240 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

B242 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

EC189 (361) AAAGCTGGCTCATTAATTGCGTGTCTTATTTTGGGACAGACCAACAACTATAACAGCGATGATTTCCAGTTTGTGTGGAATATTTACGCC

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Figure 1(f)

540

(451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCA
J96 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC45 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCA
B217 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
DS17 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B212 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC42 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC56 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B210 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B203 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC58 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC60 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC61 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC80 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC95 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC62 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B238 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B240 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
B242 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG
EC189 (451) AATAATGATGTGGTGGTGCCTACTGGCGGCTGCGATGTTTCTGCTCGTGATGTACCGTTACTCTGCCGGACTACCCCTGGTTCAAGTGCCG

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APPROVED	C	FIG.
BY	CLISS	SUBCLASS

Figure 1(g)

630

541

J96 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC45 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B217 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

DS17 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B212 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC42 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC56 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B210 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B203 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC58 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC60 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC61 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC80 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC95 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC62 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B238 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B240 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

B242 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

EC189 (541) ATTCCCTTTACCGTTTATTGTGCGAAAGCCAAAACCTGGGGTATTACCTCTCCGGCACAACCGCAGATGCGGGCAAACCTCGATTTTCACC

Figure 1(h)

720

631

J96 (631) AATACCGCGTCGTTTTTCACTGCA CAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC45 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B217 (631) AATACCGCGTCGTTTTTCA CAGCGCAGGGCGTCGGCGTTCAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

DS17 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B212 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC42 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC56 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B210 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B203 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC58 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC60 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC61 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC80 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC95 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC62 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B238 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B240 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

B242 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

EC189 (631) AATACCGCGTCGTTTTTCA CCGCGCAGGGCGTCGGCGTACAGTTGACGCGCAACGGTACGATTATTCAGCGAATAACACGGTATCGTTA

Figure 1(i)

721 810

J96 (721) GGAGCAGTAGGGACTTCGGCGGTGAGTCTGGGATTAACGGCAAATTAATGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC45 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B217 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
DS17 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B212 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC42 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC56 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B210 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B203 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC58 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC60 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC61 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC80 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC95 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC62 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B238 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B240 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
B242 (721) GGAGCAGTAGGGACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGAGGGCAGGTGACTGCAGGGAATGTGCAATCG
EC189 (721) GGAA CAGTAGGAACTTCGGCGGTAAAGTCTGGGATTAACGGCAAATTAACGCACGTACCGGCGGGCAGGTGACTGCAGGGAATGTGCAATCG

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Figure 1(j)

J96	(811)	811	ATTATTGGCGTGACTTTTGTATTATCAA	837
EC45	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B217	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
DS17	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B212	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC42	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC56	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B210	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B203	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC58	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC60	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC61	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC80	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC95	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC62	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B238	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B240	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
B242	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	
EC189	(811)		ATTATTGGCGTGACTTTTGTATTATCAA	

Figure 2(a)

	1	50
B210.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPE
B212.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
B217.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
B223.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
B228.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
B238.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAIAVNVGQNLVVDLSTQIFCHNDYPE
B240.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPE
B242.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQTFCHNDYPE
DS17.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC42.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC45.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC56.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPE
EC58.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC60.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPE
EC61.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC62.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC80.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC89.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
EC95.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
G189.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
J96.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPE
NU14.aa	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE
Consensus	(1)	FACKTANGTAIPIGGGSANVYVNLAPAVNVGQNLVVDLSTQIFCHNDYPE

	51	100
B210.aa	(51)	TITDYVTLQRGSAYGGVLSNFSGIVKYSGSSYPFPTTSETPRVVYNSRTD
B212.aa	(51)	TITDYVTLQRGSAYGGVLSFSFGIVKYNSSYPFPTTSETPRVVYNSRTD
B217.aa	(51)	TITDYVTLQRGAAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
B223.aa	(51)	TITDYVTLQRGAAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
B228.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
B238.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
B240.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
B242.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
DS17.aa	(51)	TITDYVTLQRGSAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
EC42.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
EC45.aa	(51)	TITDYVTLQRGAAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
EC56.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
EC58.aa	(51)	TITDYVTLQRGSAYGVLSSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
EC60.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
EC61.aa	(51)	TITDYVTLQRGSAYGGVLSNFSGTVKYSGSSYPFPTTSETPRVVYNSRTD
EC62.aa	(51)	TITDYVTLQRGSAYGGVLSHFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
EC80.aa	(51)	TITDYVTLQRGSAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
EC89.aa	(51)	TITDYVTLQRGSAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
EC95.aa	(51)	TITDYVTLQRGSAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
G189.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
J96.aa	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD
NU14.aa	(51)	TITDYVTLQRGAAYGGVLSFSFGTVKYNSSYPFPTTSETPRVVYNSRTD
Consensus	(51)	TITDYVTLQRGSAYGGVLSNFSFGTVKYSGSSYPFPTTSETPRVVYNSRTD

Figure 2(b)

		101	150
B210.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B212.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B217.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B223.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B228.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B238.aa	(101)	KPWPVALYLTTPVSSAGGVVIAKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B240.aa	(101)	KPWPVALYLTTPVSSAGGLVIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
B242.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
DS17.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC42.aa	(101)	KPWPVALYLTTPVSSAGGVVIAKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC45.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC56.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC58.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC60.aa	(101)	KPWPVALYLTTPVSSAGGVVIAKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC61.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC62.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLMAVLILRQTNNYNSDDFQFVWNIYA	
EC80.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC89.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
EC95.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
G189.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTKNYNSDDFQFVWNIYA	
J96.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
NU14.aa	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	
Consensus	(101)	KPWPVALYLTTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYA	

		151	200
B210.aa	(151)	NNDVVVPTGGCDASARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B212.aa	(151)	NNDVVVPTGGCDASARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B217.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B223.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B228.aa	(151)	NNDVVVPTGGCDVSAHDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B238.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B240.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
B242.aa	(151)	NNDVVVPTGGCDVSAHDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
DS17.aa	(151)	NNDVVVPTGGCDASARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC42.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYLLSGT	
EC45.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYLLSGT	
EC56.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYLLSGT	
EC58.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC60.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC61.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC62.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC80.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC89.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
EC95.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
G189.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
J96.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYLLSGT	
NU14.aa	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	
Consensus	(151)	NNDVVVPTGGCDVSARDVTVTLPDYRGSVPIPLTVYCAKSQNLGYLLSGT	

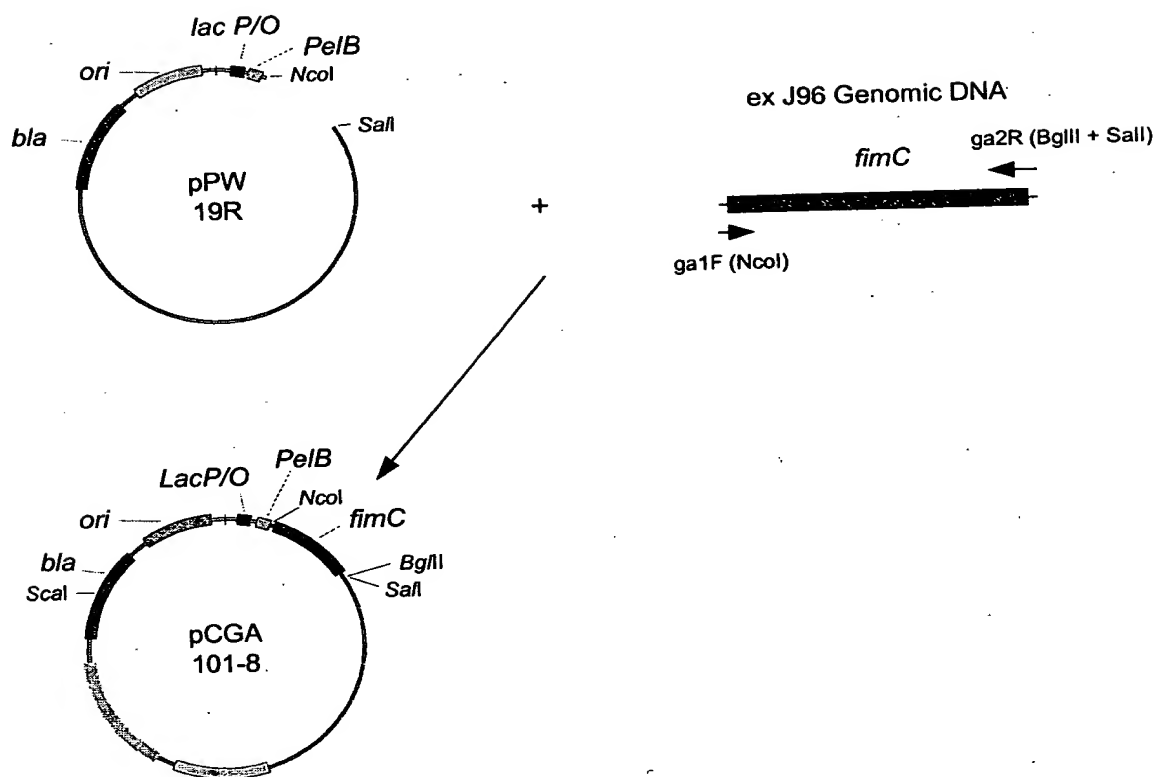
Figure 2(c)

		201	250
B210.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLARNGTVIPANNTVSLGAVGTSAVSL	
B212.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
B217.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
B223.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
B228.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
B238.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
B240.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIPTNNTVSLGAVGTSAVSL	
B242.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
DS17.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC42.aa	(201)	TADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC45.aa	(201)	TADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC56.aa	(201)	TADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC58.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC60.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC61.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
EC62.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTINPANNTVSLGAVGTSAVSL	
EC80.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTANGTIVPANNTVSLGAVGTSAVSL	
EC89.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTANGTIVPANNTVSLGAVGTSAVSL	
EC95.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
G189.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGTVGTSAVSL	
J96.aa	(201)	TADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
NU14.aa	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	
Consensus	(201)	HADAGNSIFTNTASFSPAQGVGVQLTRNGTIIIPANNTVSLGAVGTSAVSL	

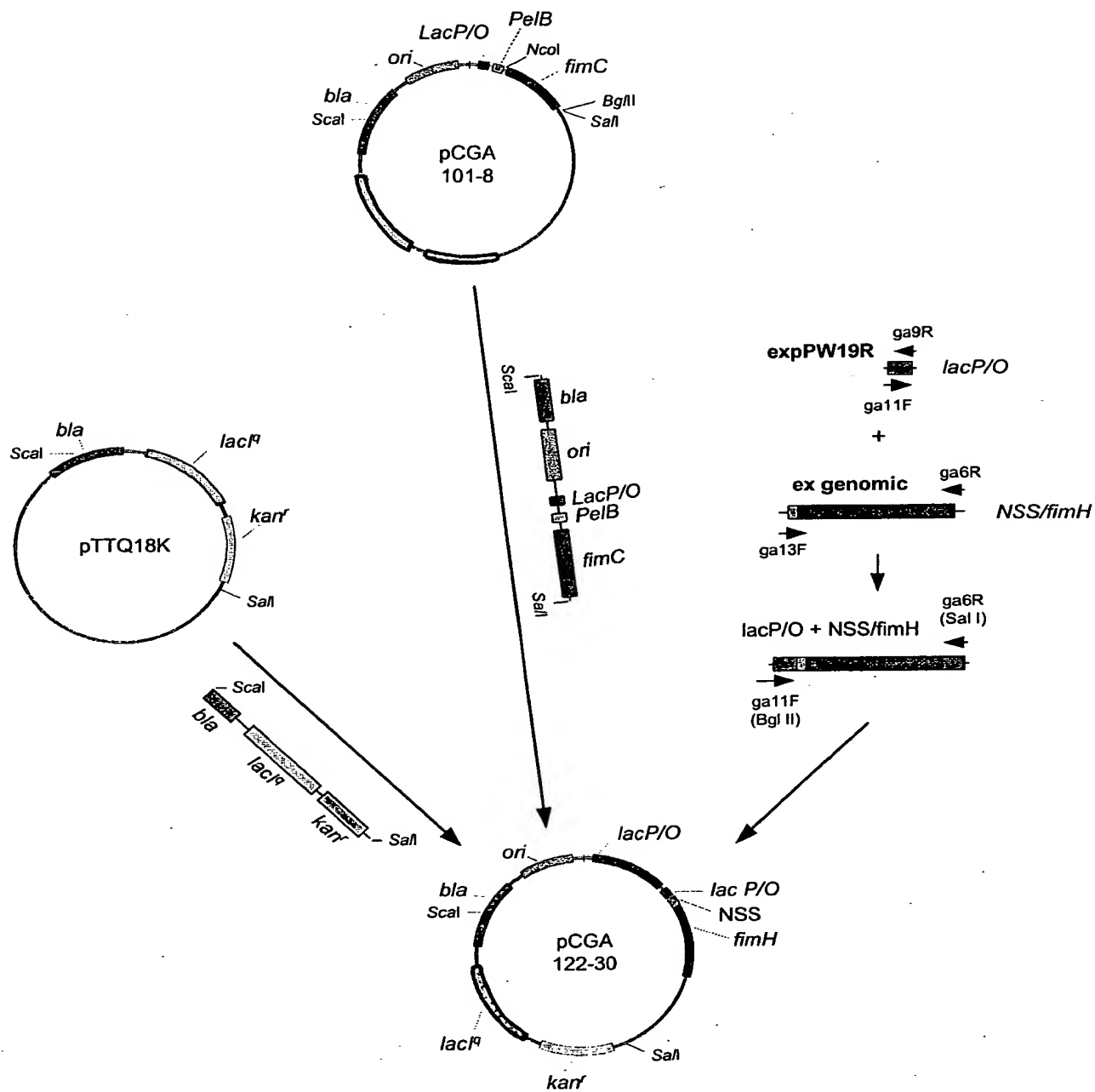
		251	279
B210.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B212.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B217.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B223.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B228.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B238.aa	(251)	GLTANYARTGGQVTAGNVQSIIGATFVYQ	
B240.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
B242.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
DS17.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC42.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC45.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC56.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC58.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC60.aa	(251)	GLTANYARTGGQVTAGNVRSIIAVTFVYQ	
EC61.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC62.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC80.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC89.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
EC95.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
G189.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
J96.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
NU14.aa	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	
Consensus	(251)	GLTANYARTGGQVTAGNVQSIIGVTFVYQ	

Fig. 3

Step1: Construction of pCGA101-8



Step 2: Construction of pCGA122-30



Step 3: Selection of final clone

Fig 5.

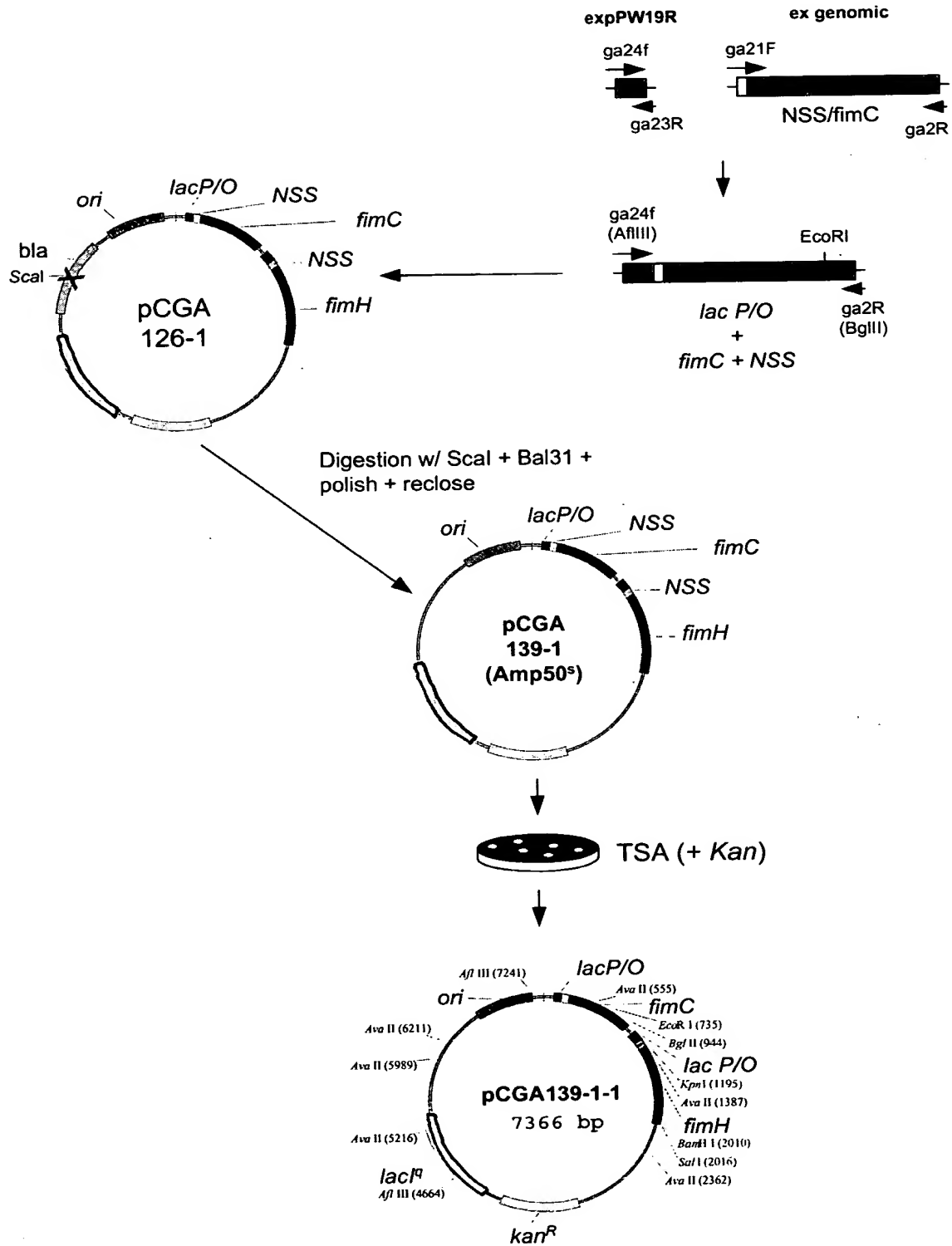


Fig. 6

